

Central Valley Flood Protection Board Update

April 24, 2015

Presented by:

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Central Valley Flood Planning Office

California Department of Water Resources



Today's Discussion

Where We've Been

- Communications & Engagement Overview

Where We Are

- Operations & Maintenance Workgroup Findings

Where We're Going

- Yolo Bypass Feasibility Study

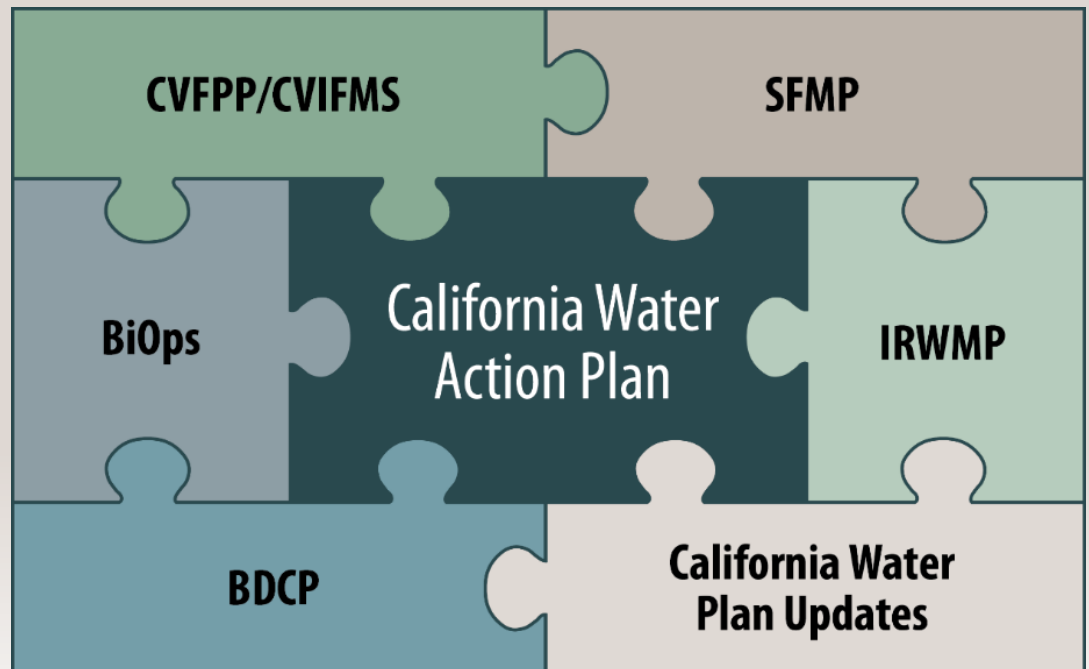


Where We've Been

Communications & Engagement Overview

Communications and Engagement is Essential

- Multiple players, programs and activities
- Topics range from conceptual to highly technical
- Planning process is complex, with many moving parts



Our Approach to Communications and Engagement

- Balance of formal, informal and general public outreach
- Flexible and adaptive, to address evolving stakeholder needs
- Intended to:
 - Demonstrate transparency
 - Encourage dynamic dialogue and detailed discussions
 - Solicit feedback to inform, improve planning efforts
 - Strengthen relationships

Upcoming Opportunities to Become Involved

- Public input and participation critical as the 2017 CVFPP Update is developed
- CVFPP public workshops in 2015
- To be added to CVFPP mailing list, please send an email to cvfmp@water.ca.gov
- Visit our website: www.water.ca.gov/cvfmp

Where We Are

Operations & Maintenance Workgroup Findings

What is OMRR&R?

- **Operations:** day-to-day activities necessary to properly operate component of system
- **Maintenance:** routine activities needed to keep the system working as designed
- **Repair:** fixing damage caused by event
- **Rehabilitation:** fixing long-term wear and tear
- **Replacement:** replacing equipment and facilities when useful life is exceeded

Non-routine, beyond scope of typical O&M

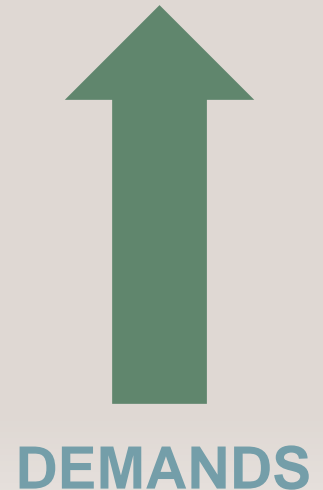
Substantial Annual Shortfall for OMRR&R

- \$23-\$27M AB156 reported costs for State Plan of Flood Control OMRR&R
- Annual cost of necessary OMRR&R more than 3X this amount



OMRR&R Funding Has Not Kept Up With Demands

- Lack of adequate revenue sources
- Competition for limited grant funds
- Escalating transactional costs
- Increased regulatory constraints

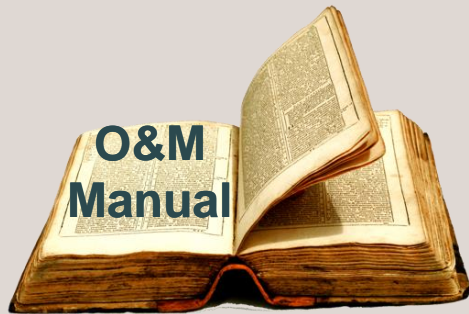


Today's O&M landscape is more complex, costly

1950s

VS

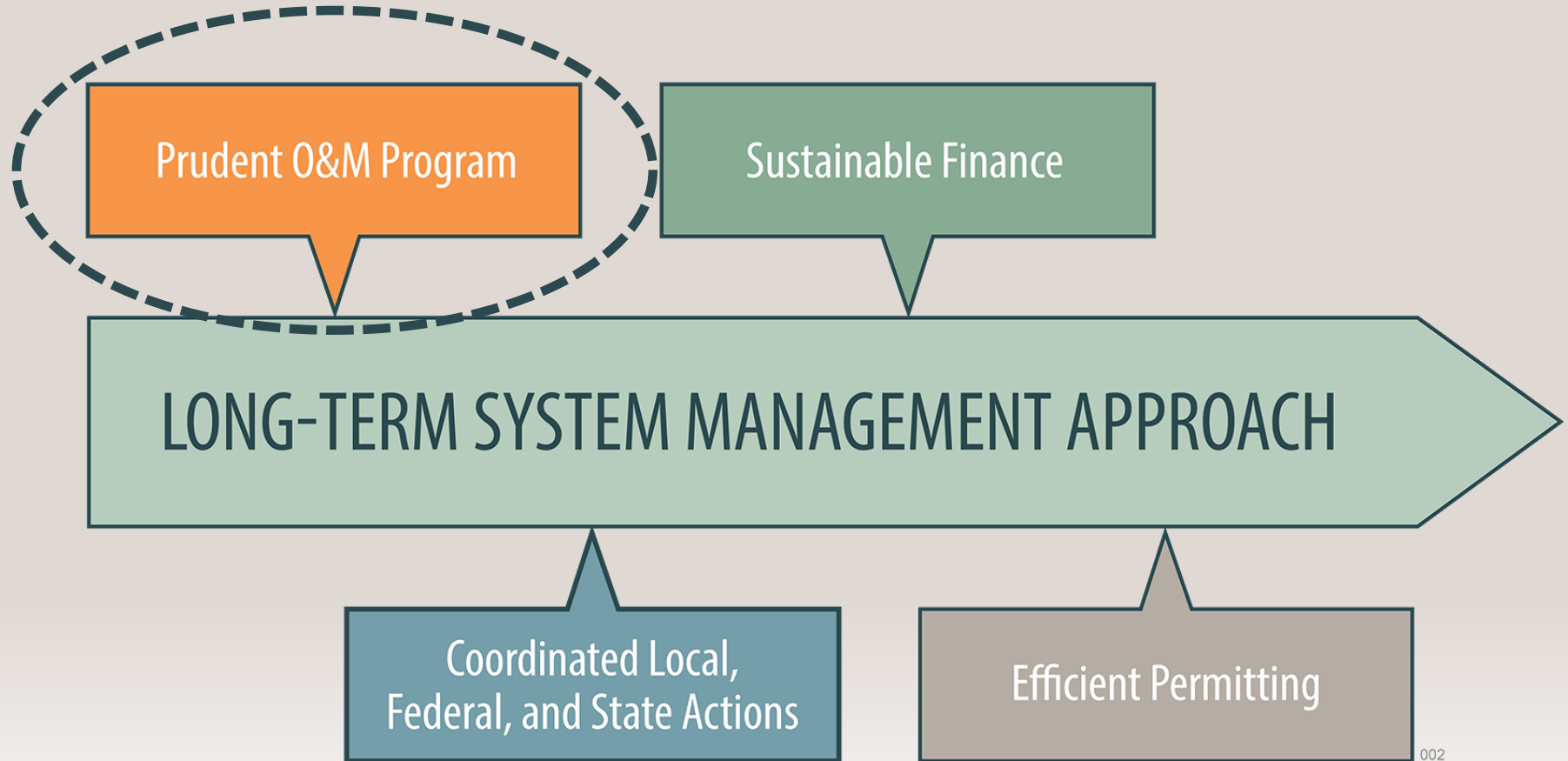
2015



Maintain Channel Capacity



Vision of Sustainable Flood Management



002

Scope of OMRR&R Evaluation

- Develop method for estimating OMRR&R costs
- Underscore importance of activities beyond traditional O&M
- Identify opportunities to support improved OMRR&R
- Build case for sustainable financing for Central Valley flood management

Trade Offs are Necessary

- LMAs understand their system and what works for their direct beneficiaries
- Prioritized decision making based on specific needs
- Not enough resources to execute all required OMRR&R tasks, impacting PL84-99 eligibility
- Long-term planning for large, expensive OMRR&R activities done only as budget is available

Recommendations to Support Improved OMRR&R

- Improve public and policymaker awareness of OMRR&R importance and benefit to the State
- Work with regional partners and LMAs to identify priorities
- Identify indirect/general beneficiaries to spread costs
- Identify, evaluate and take advantage of existing and new funding sources



Recommendations to Support Improved OMRR&R

- Encourage consistent reporting
- Modify AB156 reporting requirements
- Clearly define OMRR&R categories to develop adequate budget
- Clearly define and track transactional costs and project schedule impacts/timeline



Considerations Moving Toward 2017

Chapter 4

Implementation Timing

- Where do “Replacement” costs lie?
 - Part of OMRR&R, but not applicable to all facilities
 - Relevant because of 50-year planning horizon
- What are the future consequences of not addressing the funding gap?
 - Are there hidden costs of not meeting need?
- What programs should be used/created to start implementing improved OMRR&R?
 - State Subventions Program outside of Delta?

The Status Quo is Not an Option

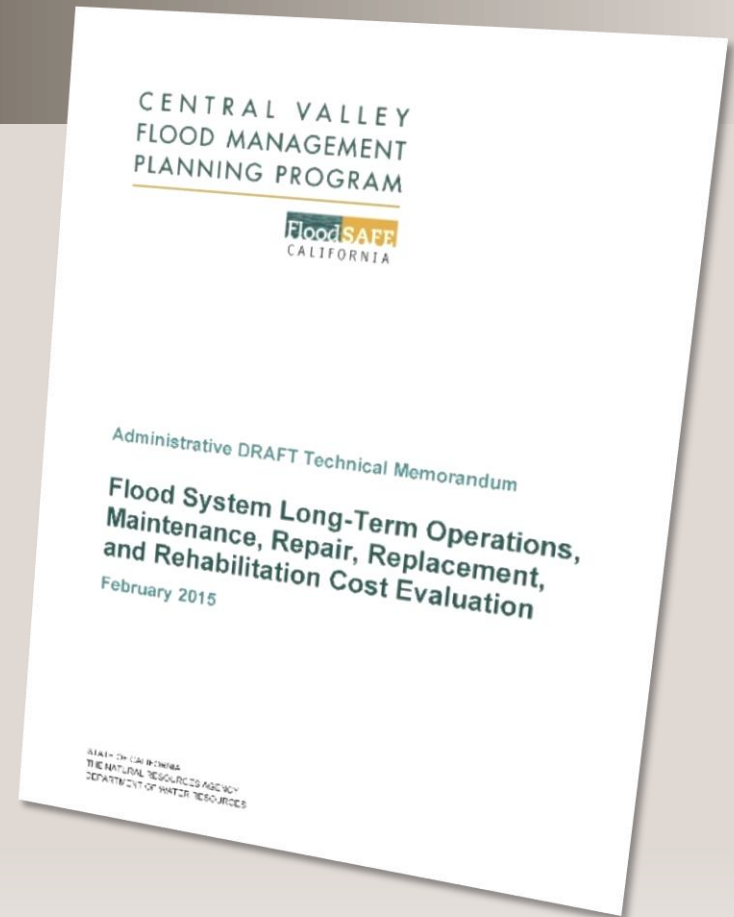
Without change...

- Repairs and improvements will continue to be deferred (and more expensive over time)
- Funding will continue to be fragmented and needs underestimated
- More LMAs could fall out of PL84-99 compliance
- Public safety and valuable assets are at risk

System: Middle Creek right bank - Unit 2 Levee System System Rating: Unacceptable Approved SWIF / LOI: No PL 84-99 RP Eligibility: Inactive		Middle Creek - Lake County - Unit 2 Middle Creek - Lake County - Unit 3 Middle Creek - Lake County - Unit 4 Middle Creek - Lake County - Unit 5 Middle Creek - Lake County - Unit 6 Middle Creek - Lake County - Unit 7 Middle Creek - Lake County - Unit 8 Middle Creek - Lake County - Unit 9 Middle Creek - Lake County - Unit 10 Middle Creek - Lake County - Unit 11									
General	Operations and Maintenance Manuals	M	M								
	Emergency Supplies and Equipment	A	A								
	Flood Preparedness and Training	M	M								
Levee - Items Affecting PL 84-99 RP Eligibility	Encroachments										
	Closure Structures	NA	NA								
	Slope Stability	M	A								
	Erosion/Bank Caving	M	A								
	Animal Control										
	Culverts/Discharge Pipes	NA	NA								
Levee Embankments - Other Items	Underseepage Relief Wells/Toe Drainage Systems	NA	NA								
	Vegetation Growth	M	M								
	Sod Cover	M	A								
	Settlement	M	M								
	Depressions/Rutting	M	M								
	Cracking	A	M								
	Riprap Revetments & Bank Protection	NA	NA								
	Revetments other than Riprap	NA	M								
Levee Embankments - Other Items	Seepage	A	A								
	Legend	<div> <div>A</div> Acceptable <div>M</div> Minimally Acceptable <div>U</div> Unacceptable <div>N/A</div> Not Applicable </div> <div> <div>M</div> Includes Unacceptable observations not likely to prevent performance in next flood event <div>U</div> Serious deficiency noted in past inspection report has not been corrected within the established timeframe <div>A</div> Likely prevents performance in next flood event </div>									

Next Steps

- Revise TM; consider comments
- Work with LMAs to categorize AB156 report information into TM cost categories
- Identify implementable actions to be included in 2017 CVFPP Update



Where We're Going

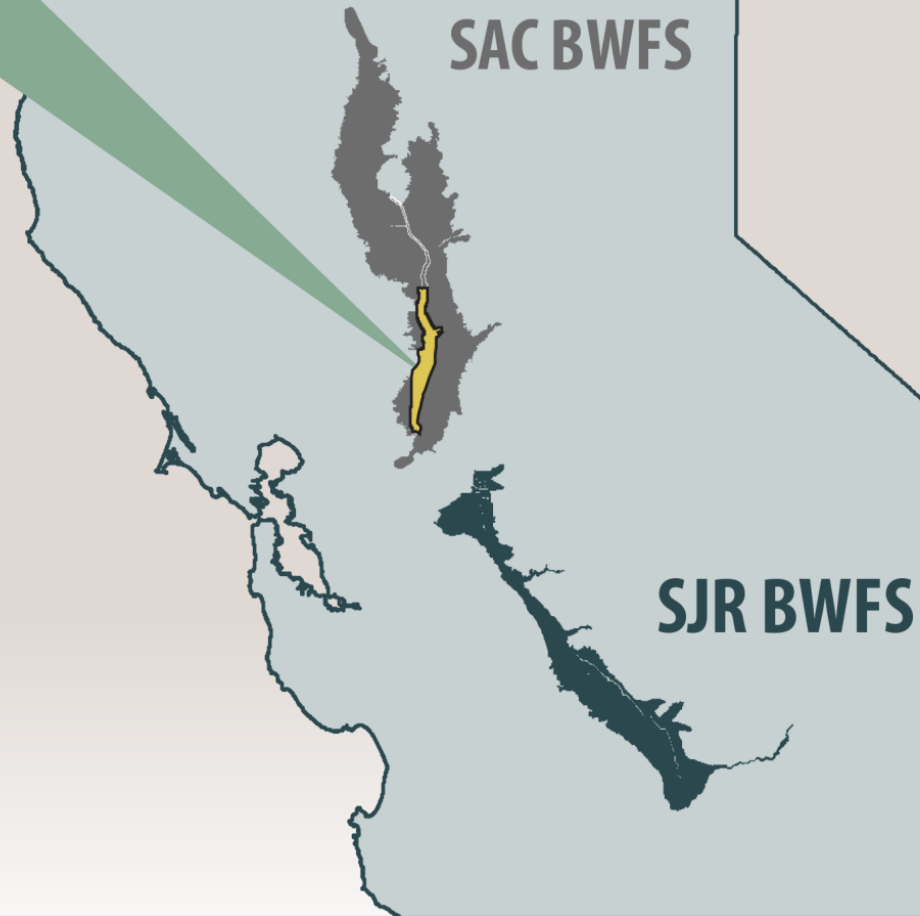
Yolo Bypass Feasibility Study



Yolo Bypass Feasibility Study

YOLO BYPASS

- Strong alignment
- Moving toward implementation

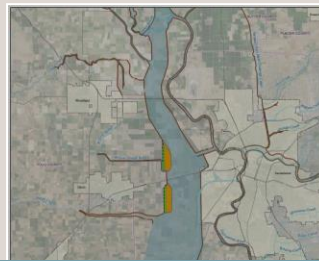


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Yolo Bypass Feasibility Study Focus

Objective:
Reduce flood stage in
lower Sacramento
River system

Actions required:
a.) Expand weirs
b.) Expand bypass



Configuration A



Configuration B



Configuration C



Configuration D



Configuration E



Configuration F



Configuration G



Configuration H



Configuration I



Upcoming Yolo Milestones/Briefings

- May 8 – CVFPB Workshop
- May 11 – Delta Plan Interagency Implementation Committee
- May 29 – CVFPB Public Meeting



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